Assessment	Current CFR Requirement or Guidance	Green (Acceptable)	Yellow (Warning)	Red (Recommend N Flag)	Comments
Technical Systems Audit	PQAO every 3 years	TSA within 3 years	TSA within 4 years	TSA > 5 years	Not a monitoring Org responsibility. Will be reported on summary page not by pollutant
Systems Addit		Co	seous Criteria Po	Hutonto	reported on summary page not by politicant
		Ga	seous Criteria Po	mutants	
Routine Data	75%	<u>></u> 80%	80-70%	<70%	Based on CFR criteria for data use
Completeness					100 *Number of hourly obs/ number of hours in monitor sample period for year
QAPP Approval	Approval date within 5 years of current date	Approval date within 5 years of current date	Approval date between 5-10 years	Not approved and/or approval date greater than 10 years	Could be sole reason for "N" flag if QAPP not approved.
1-Point QC	75%	<u>></u> 75%	65-75%	<65%	Based on 26 1-point QC for a year and if a monitot
Completeness					closes during the year it will calculate the requireents based on the portion of the year the monitor operated.
1-Point QC	7% 03,	<u><</u> 7% O3,	8-20% O3	> 20% O3	Based on all valid 1-point QC checks in AQS for the
Precision	10% others	10% others	11-25% others	> 25% others	year
1-Point QC	<u>+</u> 7% O3,	<u>< +</u> 7% O3,	<u>+</u> 8-20% O3	> <u>+</u> 20% O3	Based on all valid 1-point QC checks in AQS
Bias	<u>+</u> 10% others	<u>< +</u> 10% others	<u>+</u> 11-25% others	> <u>+</u> 25% others	
Annual PE	1 PE/year	1 PE/year	1 PE/year	No PE or	
Completeness	3 audit levels	3 audit levels	2 audit levels	1 audit level	
Annual PE Bias O3 , SO2 , NO2	≤ <u>+</u> 1.5 ppb / <u>+</u> 15%	≤ <u>+</u> 1.5 ppb / <u>+</u> 15%	<pre>< + 1.6-3.0 ppb /</pre>	> <u>+</u> 3.0 ppb / <u>+</u> 25%	Use average PD of all PE values for the monitor
со	< <u>+</u> 0.03 ppm/ <u>+</u> 15%	< <u>+</u> 0.03 ppm/ <u>+</u> 15%	<u>< +</u> 0.04-0.06 ppm/ <u>+</u> 16-25%	> <u>+</u> 0.06 ppm/ <u>+</u> 25%	
NPAP Audit	20% of sites in PQAO	20% of sites in PQAO	10-19% of sites in	<10% of sites in	Not a monitoring Org responsibility
Completeness -			PQAO	PQAO	
PQAO					
NPAP Bias	≤ ±10% O3 ≤ ±15% others	≤±10% O3≤±15% others	<u>+</u> 11-20% O3 <u>+</u> 16-25% others	> <u>+</u> 20% O3 > <u>+</u> 25% others	Median PD for all values at a site and Median PD for PQAO level estimate
NPAP Audit Completeness - Site	4 levels	4 levels	2-3 levels	<1 level	Not a monitoring Org responsibility

Assessment	Current CFR Requirement or Guidance	Green (Acceptable)	Yellow (Warning)	Red (Recommend N Flag)	Comments
			PM2.5 Criter	ia	
Routine Data Completeness	75%	<u>></u> 80%	80-70%	<70%	Based on CFR criteria for data use 100 * Number of creditable samples / number of scheduled samples in monitor sample period.
QAPP Approval	Approval date within 5 years of current date	Approval date within 5 years of current date	Approval date between 5-10 years	Not approved and/or approval date greater than 10 years	Could be sole reason for "N" flag if QAPP not approved.
Flow Rate Audit Completeness	2 /year every 6 months	2/year every 5-7 months or 3 or 4 with one audit in 3 or 4 quarters	2 across 2 quarters	1 audit	Semi-annual flow rate audits
Flow Rate Audit Bias	<u>+</u> 4% of transfer standard <u>+</u> 5% from design	≤±4% of transfer standard ≤±5% from design	<u>+</u> 5-6% of transfer standard <u>+</u> 6-7% from design	> <u>+</u> 6% of transfer standard > <u>+</u> 7% from design	design =design flow rate
Collocation Completeness	75%	<u>></u> 75%	65-74%	<65%	By method designation
Collocation Precision	10%	≤ 10%	11-18%	>18%	By method designation
PM2.5 PEP Completeness	5 or 8	5 or 8	3-4 or 6-7	< 3 or 6	Not a monitoring Org responsibility
PEP Bias	<u>+</u> 10%	<u>< +</u> 10%	<u>+</u> 11-20%	> <u>+</u> 20%	
		PN	/10 Continuous N	/lethods	
Routine Data Completeness	75%	<u>></u> 80%	80-70%	<70%	Based on CFR criteria for data use 100 * Number of valued statat (days per collection frequency) / total number of strata.
QAPP Approval	Approval date within 5 years of current date	Approval date within 5 years of current date	Approval date between 5-10 years	Not approved and/or approval date greater than 10 years	Could be sole reason for "N" flag if QAPP not approved.
Flow Rate verification Completeness	75%	<u>></u> 75%	65-74%	<65%	
Flow Rate Verification Bias	<u>+</u> 7% of transfer standard	≤±7% of transfer standard	<u>+</u> 8- 9% of transfer standard	> <u>+</u> 9% of transfer standard	
Flow Rate Audit Completeness	2 /year every 6 months	2/year every 5-7 months or 3 or 4 with one audit in 3 or 4 quarters	2 across 2 quarters	1 audit	Semi-annual flow rate audits

Assessment	Current CFR	Green	Yellow	Red	Comments
	Requirement or	(Acceptable)	(Warning)	(Recommend N	
	Guidance	70/ 61 6	0.00/ 5: 5	Flag)	
Flow Rate	+ 7% of transfer		<u>+</u> 8-9% of transfer standard	> <u>+</u> 9% of transfer	Semi-annual flow rate audits
Audit Bias	standard	standard		standard	
			PM10 Manual Me	ethods	
Routine Data Completeness	75%	<u>></u> 80%	80-70%	<70%	Based on CFR criteria for data use 100 * Number of valued stata (days per collection frequency) / total number of strata.
QAPP Approval	Approval date within 5 years of current date	Approval date within 5 years of current date	Approval date between 5-10 years	Not approved and/or approval date greater than 10 years	Could be sole reason for "N" flag if QAPP not approved.
Flow Rate Audit Completeness	2 /year every 6 months	2/year every 5-7 months or 3 or 4 with one audit in 3 or 4 quarters	2 across 2 quarters	1 audit	Semi-annual flow rate audits
Flow Rate Audit Bias	<u>+</u> 7% of transfer standard	<u>+</u> 7% of transfer standard	<u>+</u> 8-9% of transfer standard	> <u>+</u> 9% of transfer standard	Semi-annual flow rate audits
Collocation Completeness	75%	<u>></u> 75%	65-74%	<65%	No requirement for collocation by method designation
Collocation Precision	10%	10%	<u><</u> 11-18%	>18%	Precision estimate by PQAO
			Pb-TSP		
Routine Data Completeness	75%	<u>></u> 80%	80-70%	<70%	Based on CFR criteria for data use 100 * Number of creditable samples / number of scheduled samples in monitor sample period.
QAPP Approval	Approval date within 5 years of current date	Approval date within 5 years of current date	Approval date between 5-10 years	Not approved and/or approval date greater than 10 years	Could be sole reason for "N" flag if QAPP not approved.
Flow Rate Audit Completeness	2 /year every 6 months	2/year every 5-7 months or 3 or 4 with one audit in 3 or 4 quarters	2 across 2 quarters	1 audit	Semi-annual flow rate audits. Somewhat revised from the AMP255 to accommodate audits <5 months or > 7 months apart
Flow Rate	+ 7% of transfer	<u>+</u> 7% of transfer	<u>+</u> 8-9% of transfer	> <u>+</u> 9% of transfer	Semi-annual flow rate audits
Audit Bias	standard	standard	standard	standard	
Collocation Completeness	75%	<u>></u> 75%	65-74%	<65%	
Collocation Precision	20%	20%	21-30%	>30%	
Pb PEP Completeness	5 or 8	4 or 7	3 or 6	< 3 or 6	Not a monitoring Org responsibility
Pb PEP Bias	<u>+</u> 15%	<u>+</u> 15%	<u>+</u> 15-25%	> <u>+</u> 25%	Average PD

Note: Items in blue not enforced by AQS Data Certification Report

Assessment	Current CFR	Green	Yellow	Red	Comments
	Requirement or	(Acceptable)	(Warning)	(Recommend N	
	Guidance			Flag)	
Analysis Audit Completeness	75%	≥75%	65-74%	<65%	Average completeness by quarter than take average of all 4 quarters
Analysis Audit Bias	10%	10%	≤18%	>18%	
			Pb-PM10		
Routine Data Completeness	75%	<u>≥</u> 80%	80-70%	<70%	Based on CFR criteria for data use 100 * Number of creditable samples / number of scheduled samples in monitor sample period.
QAPP Approval	Approval date within 5 years of current date	Approval date within 5 years of current date	Approval date between 5-10 years	Not approved and/or approval date greater than 10 years	Could be sole reason for "N" flag if QAPP not approved.
Flow Rate Audit Completeness	2 /year every 6 months	2/year every 5-7 months or 3 or 4 with one audit in 3 or 4 quarters	2 across 2 quarters	1 audit	Semi-annual flow rate audits
Flow Rate Audit Bias	<u>+</u> 4% of transfer standard	\(\frac{+}{2} \) 4% of transfer \(\text{standard} \)	<u>+</u> 5-6% of transfer standard	> <u>+</u> 6% of transfer standard	Semi-annual flow rate
Collocation Completeness	75%	<u>></u> 75%	65-74%	<65%	
Collocation Precision	20%	20%	21-30%	>30%	
Pb PEP Completeness	5 or 8	5 or 8	3 or 6	< 3 or 6	Not a monitoring Org responsibility
Pb PEP Bias	<u>+</u> 15%	<u>+</u> 15%	<u>+</u> 16-25%	> <u>+</u> 25%	
Analysis Audit Completeness	75%	<u>></u> 75%	65-74%	- <65%	
Analysis Audit Bias	10%	10%	<u><</u> 18%	>18%	

Other Flags

Table	Field	Code	Summary	Comments
All	Monitor	Invalid	Monitor not assigned to a an AQS	Monitor type either missing from active monitor or assigned to value no longer
	Туре		production status Monitor Type	supported (e.g. "Other")
PM2.5 Collocation,	PQAO	N	PQAO level collocation not met	If the PQAO acceptance criteria at the summary level is not met then an "N" is
Monitor Summary	Criteria Met		Method designation not covered	placed in any monitor row represented by that method designation. At times a
				method designation may not have been collocated with a like method designation.

	I that case an "N" will be placed in any method designation that did not have a
	collocation represented for that method designation.